LG has introduced the NeON™ 2, with newly developed ‘Cello Technology™’ which improves performance and reliability.

Up to 320W

300W
**Cello Technology™**

- **Low Loss**
- **Low Stress**
- **Optical Absorption Enhancement**

**Improved Absorption of Light**
Cello Technology™ improves the absorption of light with circular shaped wires, which scatter light more effectively.

**Reduced Electrical Loss**
Cello Technology™ reduces the electrical loss by spreading the current with 12 wires.
10 Checkpoints
For the Successful Installation of Solar Power System

Industry-leading Warranty

1. WARRANTY FOR A LONG-TERM OPERATION?
LG provides the enhanced performance warranty for the LG NeON™ 2. Annual degradation has fallen from -0.7%/yr to -0.6%/yr. New policy ensures the power performance of 83.6% at least after 25 years.

2. STRONG AGAINST THE HARSH ENVIRONMENT?
With reinforced frame design, LG NeON™ 2 can endure a front load up to 6000 Pa and a rear load up to 5400 Pa. Based on the improved rigidity, LG has extended the product warranty for additional 2 years.
Performance Beyond Expectation

3

BETTER PERFORMANCE ON A SUNNY DAY?

LG NeON™ 2 generates more power on a sunny day thanks to its improved temperature coefficient.

4

POWER GENERATION ON A CLOUDY DAY?

LG NeON™ 2 gives good performance even on a cloudy day due to its low energy reduction in weak sunlight.

5

LIGHT INDUCED DEGRADATION IN THE 1ST YEAR?

While conventional p-type modules suffer from LID (Light Induced Degradation) caused by the reaction of Boron and Oxygen over the 1st year, LG NeON™ 2 uses n-type wafer modules that are rarely affected by it.
MORE POWER GENERATION IN THE SAME AREA?
LG NeON™ 2 is the right solution for homeowners who want to get more electricity within a limited roof space.

[ The capacity of solar power system with 20 modules (60 cells) ]

CONSTRANTS FROM SURROUNDING CIRCUMSTANCE?
The shadow of the tree and chimney restricts the space for installation of solar system. High efficient LG NeON™ 2 makes it easier to build module array on the roof.

AESTHETICALLY MATCHING WITH THE ROOF?
LG NeON™ 2 has been designed with aesthetics in mind; LG NeON™ 2 with thinner wires appear black at a distance. The product can increase the value of a property with its modern design.
**Attractive Module for the Large Scale System**

**9 EFFICIENT SPACE MANAGEMENT?**

Compared with the conventional 72-cell multi module, the LG NeON™ 2 achieves higher power output with 60 cells, making it easy to manage space when installing large scale system.

<table>
<thead>
<tr>
<th>Module</th>
<th>Size (m²)</th>
<th>Power (W)</th>
<th>Cells</th>
</tr>
</thead>
<tbody>
<tr>
<td>LG NeON™ 2</td>
<td>11,880</td>
<td>320</td>
<td>60</td>
</tr>
<tr>
<td>Conventional 72-cell Multi Module</td>
<td>14,800</td>
<td>310</td>
<td>72</td>
</tr>
</tbody>
</table>

* Based on PV Syst simulation

**10 B.O.S.(Balance Of System) SAVING?**

LG NeON™ 2 can reduce the total number of strings due to its higher efficiency and lower voltage than 72-cell modules. As a result, it saves the B.O.S. of solar power system.

<table>
<thead>
<tr>
<th>Strings</th>
<th>1 String</th>
<th>149 Strings</th>
</tr>
</thead>
<tbody>
<tr>
<td>LG NeON™ 2 (320W)</td>
<td>21 ea</td>
<td></td>
</tr>
<tr>
<td>Conventional 72-cell Multi Module (310W)</td>
<td>19 ea</td>
<td></td>
</tr>
</tbody>
</table>

* Based on PV Syst simulation and 1000V system voltage